

Evelina Colacino

List of Publications by Year in descending order

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87
papers

3,378
citations

126858

33
h-index

161767

54
g-index

108
all docs

108
docs citations

108
times ranked

3267
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of NHCâ€“ruthenium complexes and their catalytic activity in metathesis reaction. <i>Coordination Chemistry Reviews</i> , 2007, 251, 726-764.	9.5	191
2	Metal-Mediated and Metal-Catalyzed Reactions Under Mechanochemical Conditions. <i>ACS Catalysis</i> , 2020, 10, 8344-8394.	5.5	188
3	2(3H)-Benzoxazolone and Bioisosters as a Privileged Scaffold in the Design of Pharmacological Probes. <i>Current Medicinal Chemistry</i> , 2005, 12, 877-885.	1.2	178
4	Recent Advances in the Synthesis of Hydantoins: The State of the Art of a Valuable Scaffold. <i>Chemical Reviews</i> , 2017, 117, 13757-13809.	23.0	163
5	Mechanochemical Preparation of Hydantoins from Amino Esters: Application to the Synthesis of the Antiepileptic Drug Phenytoin. <i>Journal of Organic Chemistry</i> , 2014, 79, 10132-10142.	1.7	103
6	Sonochemistry in non-conventional, green solvents or solvent-free reactions. <i>Tetrahedron</i> , 2017, 73, 609-653.	1.0	97
7	PEG as an alternative reaction medium in metal-mediated transformations. <i>Coordination Chemistry Reviews</i> , 2012, 256, 2893-2920.	9.5	95
8	Poly(ethylene glycol) as reaction medium for mild Mizorokiâ€“Heck reaction in a ball-mill. <i>Chemical Communications</i> , 2012, 48, 11778.	2.2	91
9	Alternative Energy Input for Transfer Hydrogenation using Iridium NHC Based Catalysts in Glycerol as Hydrogen Donor and Solvent. <i>Organometallics</i> , 2012, 31, 3911-3919.	1.1	84
10	Solvent-free synthesis of nitrones in a ball-mill. <i>Tetrahedron</i> , 2008, 64, 5569-5576.	1.0	82
11	From enabling technologies to medicinal mechanochemistry: an eco-friendly access to hydantoin-based active pharmaceutical ingredients. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 1179-1188.	1.9	81
12	Mechanochemistry for a solvent, no baseâ€“preparation of hydantoin-based active pharmaceutical ingredients: nitrofurantoin and dantrolene. <i>Green Chemistry</i> , 2018, 20, 2973-2977.	4.6	78
13	Solvent-Free, Continuous Synthesis of Hydrazone-Based Active Pharmaceutical Ingredients by Twin-Screw Extrusion. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12230-12238.	3.2	71
14	Processing and Investigation Methods in Mechanochemical Kinetics. <i>ACS Omega</i> , 2018, 3, 9196-9209.	1.6	70
15	Upscaling Mechanochemistry: Challenges and Opportunities for Sustainable Industry. <i>Trends in Chemistry</i> , 2021, 3, 335-339.	4.4	70
16	Novel 1 <i>H</i> -Pyrrolo[3,2- <i>c</i>]quinoline Based 5-HT ₆ Receptor Antagonists with Potential Application for the Treatment of Cognitive Disorders Associated with Alzheimerâ€™s Disease. <i>ACS Chemical Neuroscience</i> , 2016, 7, 972-983.	1.7	64
17	PEG3400â€“Cu ₂ Oâ€“Cs ₂ CO ₃ : an efficient and recyclable microwave-enhanced catalytic system for ligand-free Ullmann arylation of indole and benzimidazole. <i>Tetrahedron</i> , 2010, 66, 3730-3735.	1.0	60
18	Poly(ethylene) glycols and mechanochemistry for the preparation of bioactive 3,5-disubstituted hydantoins. <i>RSC Advances</i> , 2016, 6, 36978-36986.	1.7	59

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19	Mechanochemical Rearrangements. <i>Journal of Organic Chemistry</i> , 2021, 86, 13885-13894.	1.7	57
20	Poly(ethylene glycol)-Based Ionic Liquids: Properties and Uses as Alternative Solvents in Organic Synthesis and Catalysis. <i>ChemSusChem</i> , 2014, 7, 45-65.	3.6	55
21	Mechanochemistry Can Reduce Life Cycle Environmental Impacts of Manufacturing Active Pharmaceutical Ingredients. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 1430-1439.	3.2	54
22	Mechanochemical 1,1'-Carbonyldiimidazole-Mediated Synthesis of Carbamates. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2882-2889.	3.2	50
23	Ring-closing metathesis in glycerol under microwave activation. <i>Tetrahedron Letters</i> , 2010, 51, 3935-3937.	0.7	47
24	Microwave-assisted solid-phase synthesis of hydantoin derivatives. <i>Tetrahedron Letters</i> , 2007, 48, 5317-5320.	0.7	45
25	Microwave-assisted multi-step synthesis of novel pyrrolo-[3,2-c]quinoline derivatives. <i>Tetrahedron</i> , 2008, 64, 5949-5955.	1.0	45
26	Solventless Synthesis of N-Protected Amino Acids in a Ball Mill. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 1186-1191.	3.2	45
27	Introducing Students to Mechanochemistry via Environmentally Friendly Organic Synthesis Using a Solvent-Free Mechanochemical Preparation of the Antidiabetic Drug Tolbutamide. <i>Journal of Chemical Education</i> , 2019, 96, 766-771.	1.1	44
28	European Research in Focus: Mechanochemistry for Sustainable Industry (COST Action) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,382 Td (<	1.2	44
29	Microwave-Assisted Reductive Amination with Aqueous Ammonia: Sustainable Pathway Using Recyclable Magnetic Nickel-Based Nanocatalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5963-5974.	3.2	43
30	Kinetics of mechanochemical transformations. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 14489-14502.	1.3	39
31	Palladium N-heterocyclic Carbene Catalysts for the Ultrasound-Promoted Suzuki-Miyaura Reaction in Glycerol. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 1107-1116.	2.1	38
32	N-Acyl Benzotriazole Derivatives for the Synthesis of Dipeptides and Tripeptides and Peptide Biotinylation by Mechanochemistry. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2936-2941.	3.2	38
33	Mechanochemical Preparation of Active Pharmaceutical Ingredients Monitored by In Situ Raman Spectroscopy. <i>ACS Omega</i> , 2020, 5, 28663-28672.	1.6	38
34	Comprehensive study on olefin metathesis in PEG as an alternative solvent under microwave irradiation. <i>Journal of Catalysis</i> , 2012, 294, 113-118.	3.1	37
35	The Mechanochemical Beckmann Rearrangement: An Eco-efficient "Cut-and-Paste" Strategy to Design the "Good Old Amide Bond". <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2100-2114.	3.2	35
36	Synthesis of Pyrrolin-4-ones by Pt-Catalyzed Cycloisomerization in PEG under Microwaves. <i>Journal of Organic Chemistry</i> , 2013, 78, 2698-2702.	1.7	33

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37	High throughput mechanochemistry: application to parallel synthesis of benzoxazines. <i>Chemical Communications</i> , 2018, 54, 551-554.	2.2	30
38	Simple and efficient routes for the preparation of isoxazolidinyl nucleosides containing cytosine and 5-methyl-cytosine as new potential anti-HIV drugs. <i>Tetrahedron</i> , 2001, 57, 8551-8557.	1.0	29
39	Mechanochemical Preparation of 3,5-Disubstituted Hydantoins from Dipeptides and Unsymmetrical Ureas of Amino Acid Derivatives. <i>Journal of Organic Chemistry</i> , 2016, 81, 9802-9809.	1.7	29
40	Solventless Mechanochemistry of N-Protected Amino Esters. <i>Journal of Organic Chemistry</i> , 2014, 79, 4008-4017.	1.7	28
41	A Ruthenium Complex-Catalyzed Cyclotrimerization of Halodiyne with Nitriles. Synthesis of 2- and 3-Halopyridines. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1916-1923.	2.1	28
42	DD-Ligases as a Potential Target for Antibiotics: Past, Present and Future. <i>Current Medicinal Chemistry</i> , 2009, 16, 2566-2580.	1.2	27
43	Poly(ethylene glycol)s as grinding additives in the mechanochemical preparation of highly functionalized 3,5-disubstituted hydantoins. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 19-25.	1.3	26
44	Mechanically induced oxidation of alcohols to aldehydes and ketones in ambient air: Revisiting TEMPO-assisted oxidations. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 2049-2055.	1.3	24
45	Assessing the Greenness of Mechanochemical Processes with the DOZN 2.0 Tool. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 5110-5116.	3.2	24
46	Deoxydehydration of glycerol in presence of rhenium compounds: reactivity and mechanistic aspects. <i>Catalysis Science and Technology</i> , 2019, 9, 3036-3046.	2.1	23
47	Synthesis of a new hydrophilic poly(ethylene glycol)-ionic liquid and its application in peptide synthesis. <i>Chemical Communications</i> , 2010, 46, 8842.	2.2	22
48	Continuous flow ring-closing metathesis, an environmentally-friendly route to 2,5-dihydro-1H-pyrrole-3-carboxylates. <i>Green Chemistry</i> , 2017, 19, 1647-1652.	4.6	22
49	WILLGERODT-KINDLER'S MICROWAVE-ENHANCED SYNTHESIS OF THIOAMIDE DERIVATIVES. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2004, 179, 1959-1973.	0.8	20
50	Preparation of enantioenriched iodinated pyrrolinones by iodocyclization of α -amino- γ -ones. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 9085.	1.5	20
51	Ring-Closing Metathesis in Aqueous Micellar Medium. <i>Chemistry - A European Journal</i> , 2012, 18, 760-764.	1.7	20
52	Poly(ethylene glycol) as a Reaction Matrix in Platinum- or Gold-Catalyzed Cycloisomerization: A Mechanistic Investigation. <i>Chemistry - A European Journal</i> , 2013, 19, 3817-3821.	1.7	20
53	Mechanistic Insights on the Mechanochemistry of Phenytoin, a WHO Essential Medicine**. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	20
54	Micelles into Glycerol Solvent: Overcoming Side Reactions of Glycerol. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1353-1358.	3.2	19

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55	Synthesis of a novel pyrrolo-[3,2-c]quinoline N-oxide by aza-Baylis-Hillman adduct of o-nitrobenzaldehyde. <i>Tetrahedron Letters</i> , 2008, 49, 4953-4955.	0.7	18
56	Copper-Containing Rod-Shaped Nanosized Silica Particles for Microwave-Assisted Synthesis of Triazoles in Aqueous Solution. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2516-2525.	3.2	18
57	Kabachnik-Fields Reaction by Mechanochemistry: New Horizons from Old Methods. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 18889-18902.	3.2	18
58	Ball-milling and cheap reagents breathe green life into the one hundred-year-old Hofmann reaction. <i>Organic Chemistry Frontiers</i> , 2018, 5, 531-538.	2.3	17
59	Advances in Mechanochemistry. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 10662-10663.	3.2	17
60	Mechanochemical N-Chlorination Reaction of Hydantoin: In Situ Real-Time Kinetic Study by Powder X-ray Diffraction and Raman Spectroscopy. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12591-12601.	3.2	17
61	Synthesis of Novel Pyrrolo-[3,2-c]quinolines via Iron-Catalyzed Cross-Coupling Reaction of Grignard Reagents. <i>Synthetic Communications</i> , 2009, 39, 1583-1591.	1.1	16
62	Ultrasounds in Melted Poly(ethylene glycol) Promote Copper-Catalyzed Cyanation of Aryl Halides with $K_4[Fe(CN)_6]$. <i>ChemSusChem</i> , 2014, 7, 919-924.	3.6	16
63	Metal-free mechanochemical oxidations in Ertalyte jars. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 1786-1794.	1.3	16
64	Microwave-ultrasound simultaneous irradiation: a hybrid technology applied to ring closing metathesis. <i>RSC Advances</i> , 2015, 5, 16878-16885.	1.7	15
65	From Molecules to Silicon-Based Biohybrid Materials by Ball Milling. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 511-518.	3.2	15
66	Mechanochemical Fischer indolisation: an eco-friendly design for a timeless reaction. <i>Green Chemistry</i> , 2022, 24, 4859-4869.	4.6	13
67	Electrophilic Iodo-Mediated Cyclization in PEG under Microwave Irradiation: Easy Access to Highly Functionalized Furans and Pyrroles. <i>Synlett</i> , 2012, 23, 1481-1484.	1.0	12
68	From Lossen Transposition to Solventless Medicinal Mechanochemistry. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	3.2	12
69	Influence of the milling parameters on the nucleophilic substitution reaction of activated β -cyclodextrins. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 1893-1899.	1.3	11
70	Structure-Based Design of Benzoxazoles as new Inhibitors for Alanine Ligase. <i>QSAR and Combinatorial Science</i> , 2009, 28, 1394-1404.	1.5	10
71	CHAPTER 6. Amino Acids and Peptides in Ball Milling. <i>RSC Green Chemistry</i> , 2014, , 114-150.	0.0	10
72	Application of the ring-closing metathesis to the formation of 2-aryl-1H-pyrrole-3-carboxylates as building blocks for biologically active compounds. <i>Tetrahedron</i> , 2016, 72, 7462-7469.	1.0	10

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73	Synthesis of Isoxazolidino Analogues of 2',3'-Dideoxynucleosides. <i>Nucleosides & Nucleotides</i> , 1999, 18, 581-583.	0.5	9
74	Activated sulfahydantoin as Boc-glycine enolate equivalent: highly diastereoselective 1'-hydroxyalkylation and application to the synthesis of aldopentionate analogues. <i>Tetrahedron Letters</i> , 2009, 50, 1100-1104.	0.7	9
75	Synthesis of novel multi-cationic PEG-based ionic liquids. <i>New Journal of Chemistry</i> , 2014, 38, 6133-6138.	1.4	9
76	Structural characterization of isoxazolidinyl nucleosides by fast atom bombardment tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2001, 36, 1220-1225.	0.7	7
77	Synthesis and Biological Evaluation of Some 5-Nitro- and 5-Amino Derivatives of 2'-Deoxycytidine, 2',3'-Dideoxyuridine, and 2',3'-Dideoxycytidine. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 2013-2026.	0.4	7
78	Microwave-Assisted Copper-Catalyzed Sonogashira Reaction in PEG Solvent. <i>Synlett</i> , 2007, 2007, 1279-1283.	1.0	7
79	Mechanochemical Preparation of Protein:Hydantoin Hybrids and their Release Properties. <i>ChemSusChem</i> , 2021, , .	3.6	5
80	Reactivity Models of 1-N-Vinyluracil and Synthesis of a New Class of Potential Antiviral Agents by the Use of 1,3-Dipolar Cycloaddition Reactions. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 743-745.	0.4	4
81	Unprecedented directed oxidative cross-coupling of sulfahydantoins with aldehydes via a radical sulfonate-to-sulfinate conversion. <i>New Journal of Chemistry</i> , 2012, 36, 1560.	1.4	4
82	New and Up-and-coming Perspectives for Unconventional Chemistry: From Molecular Synthesis to Hybrid Materials by Mechanochemistry. <i>RSC Green Chemistry</i> , 2019, , 192-215.	0.0	3
83	Microwave-promoted N-arylation of imidazole and amino acids in the presence of Cu ₂ O and CuO in poly(ethylene glycol). <i>Russian Chemical Bulletin</i> , 2016, 65, 1243-1248.	0.4	2
84	Mechanochemical synthesis of mononuclear gold(i) halide complexes of diphosphine ligands with tuneable luminescent properties. <i>Dalton Transactions</i> , 2021, 50, 13337-13344.	1.6	2
85	1 Mechanochemistry: an overview and a historical account. , 2020, , 1-8.		1
86	Willgerodt-Kindler's Microwave-Enhanced Synthesis of Thioamide Derivatives.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
87	From solution-based nonconventional activation methods to mechanochemical procedures: The hydantoin case. , 2021, , 421-452.		0